Supplementary Materials: Comparative Study with ^{89}Y-foil and ^{89}Y-pressed Targets for the Production of ^{89}Zr †

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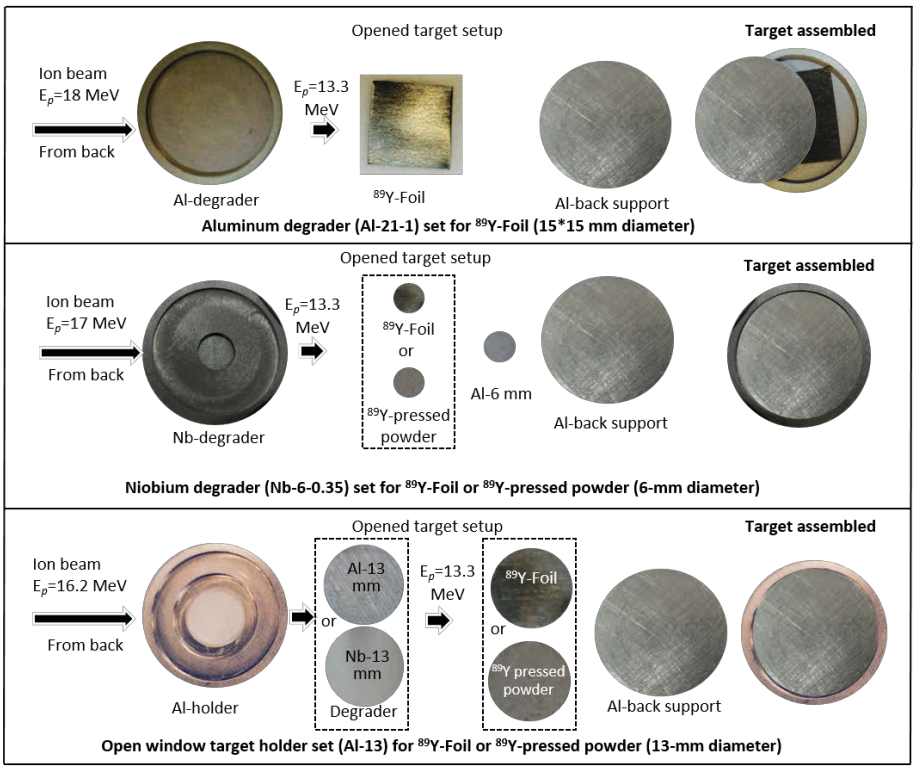

Figure S1. Solid target assembly.

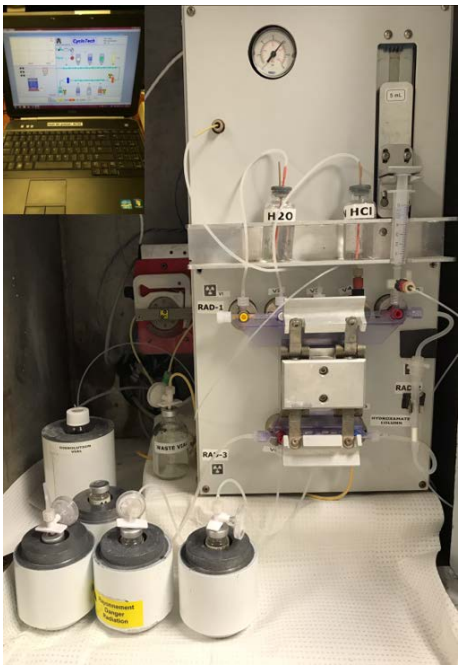

Figure S2. Remote controlled automated cassette-based module for ^{89}Zr-oxalate.

Table S1. Elements analyzed by ICP-MS for ^{89}Zr -oxalate produced by cyclotron 442 using ^{89}Y -foil and pressed targets.

^{89}Zr-oxalate / Metal (ppm)	Foil 1	Foil 1	Pressed 1	Pressed 2
Aluminum	1.83	<0.83	<0.83	<0.83
Antimony	<0.083	<0.083	<0.083	<0.083
Arsenic	<0.083	<0.083	<0.083	<0.083
Baryum	0.01	0.01	<0.83	<0.83
Beryllium	<0.083	<0.083	<0.083	<0.083
Bismuth	<0.083	<0.083	<0.083	<0.083
Boron	55	15.8	24.7	14.7
Cadmium	<0.0417	<0.0417	<0.0417	<0.0417
Calcium	1.77	7.4	2.41	2.95
Chromium	<0.083	<0.083	<0.083	<0.083
Cobalt	<0.083	<0.083	<0.083	<0.083
Copper	<0.083	<0.083	<0.083	<0.083
Iron	<4.17	<4.17	<4.17	<4.17
Lead	<0.083	0.586	<0.083	<0.083
Lithium	<0.083	<0.083	<0.083	<0.083
Magnesium	1.12	3.15	<0.83	0.96
Manganese	<0.083	<0.083	<0.083	<0.083
Molybdenum	<0.083	<0.083	<0.083	<0.083
Nickel	<0.083	<0.083	<0.083	<0.083
Potassium	<25.0	<25.0	<25.0	<25.0
Selenium	<0.083	<0.083	<0.083	<0.083
Silica	49.3	34.7	44.6	36.6
Silver	<0.0417	<0.0417	<0.0417	<0.0417
Sodium	53	<25.0	<25.0	<25.0
Strontium	<0.083	<0.083	<0.083	<0.083
Thallium	<0.083	<0.083	<0.083	<0.083
Tin	<0.083	<0.083	<0.083	<0.083
Titanium	0.129	0.116	0.386	0.507
Vanadium	0.296	0.303	<0.083	<0.083
Zinc	5.2	3.08	4.6	4.47
Yttrium	0.05	0.08	0.44	0.15